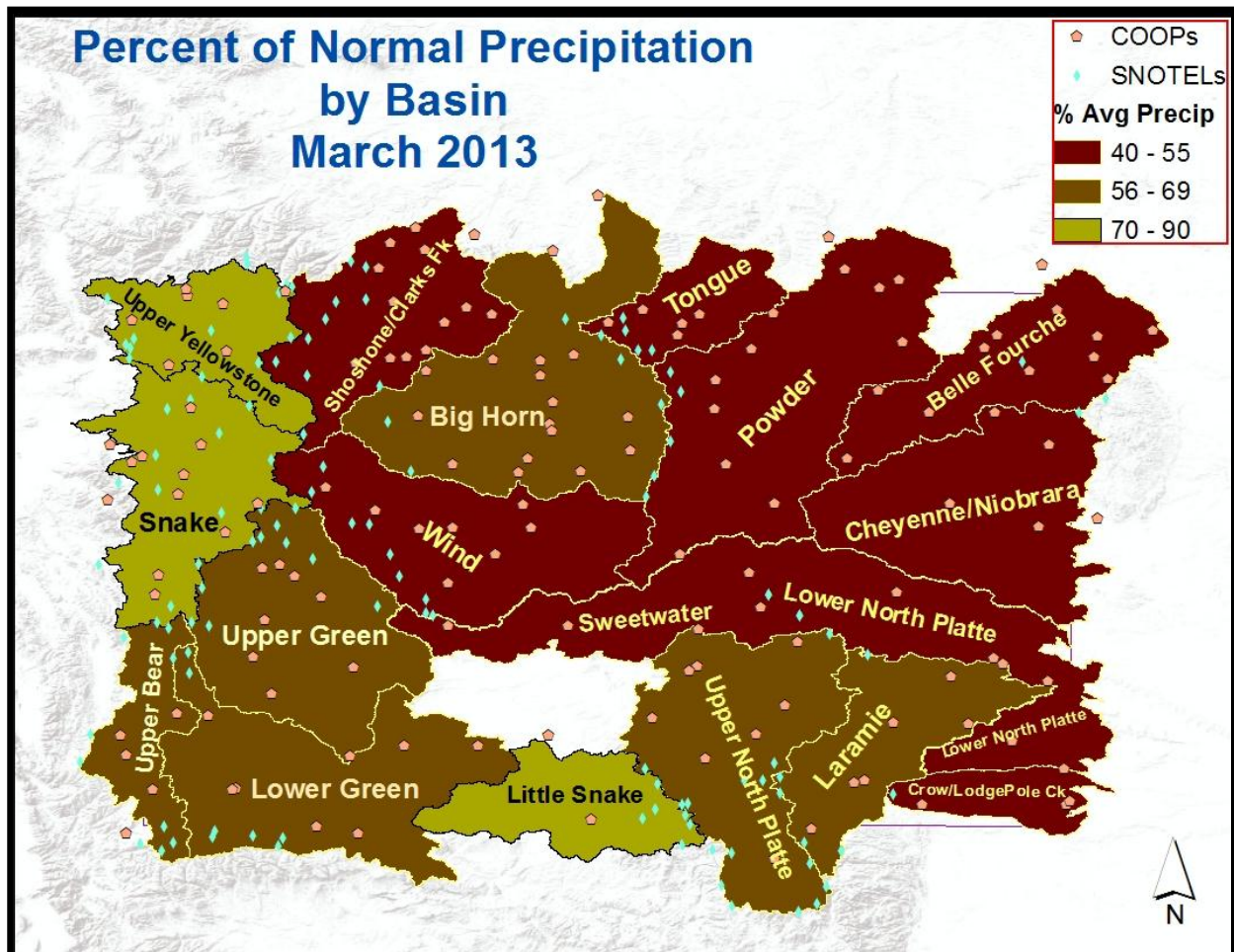


# Wyoming Hydrologic Summary

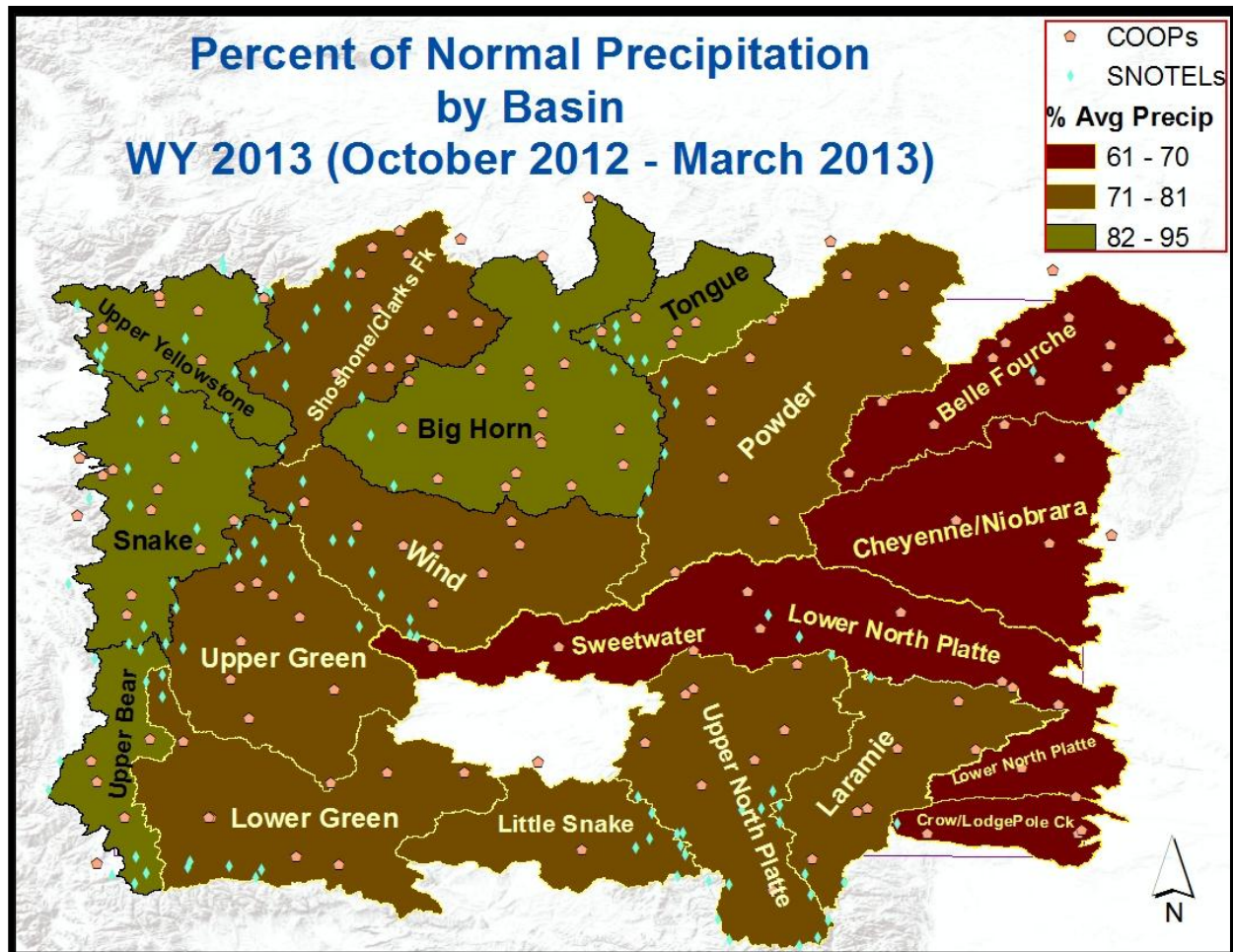
## March 2013

### Precipitation:

All major watersheds across Wyoming had **below** to **well below** precipitation totals during March.



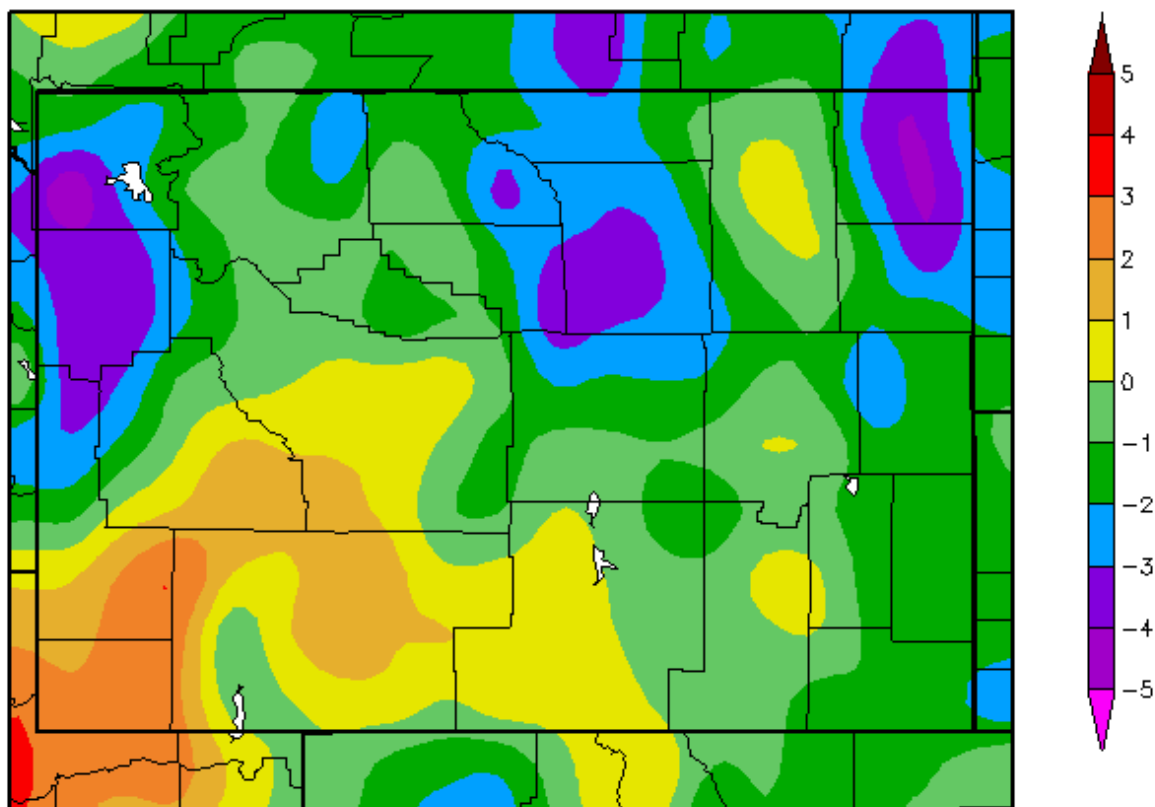
Current Water Year (October 2012 – March 2013):



### Temperature Trends:

Above normal temperatures across south central to southwest Wyoming; with near normal to below normal temperatures across the rest of Wyoming in March.

Departure from Normal Temperature (F)  
3/1/2013 – 3/31/2013



Generated 4/5/2013 at HPRCC using provisional data.

Regional Climate Centers

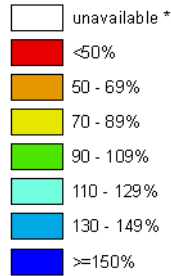
**Snow Water Equivalents/Mountain Snowpack:**

By late March, almost all major drainage basins in northern Wyoming slightly below normal mountain snowpack and/or snow water equivalent (SWE) averages. Southern Wyoming watersheds continued to have **well below** average SWEs in March.

## Wyoming SNOTEL Current Snow Water Equivalent (SWE) % of Normal

Mar 28, 2013

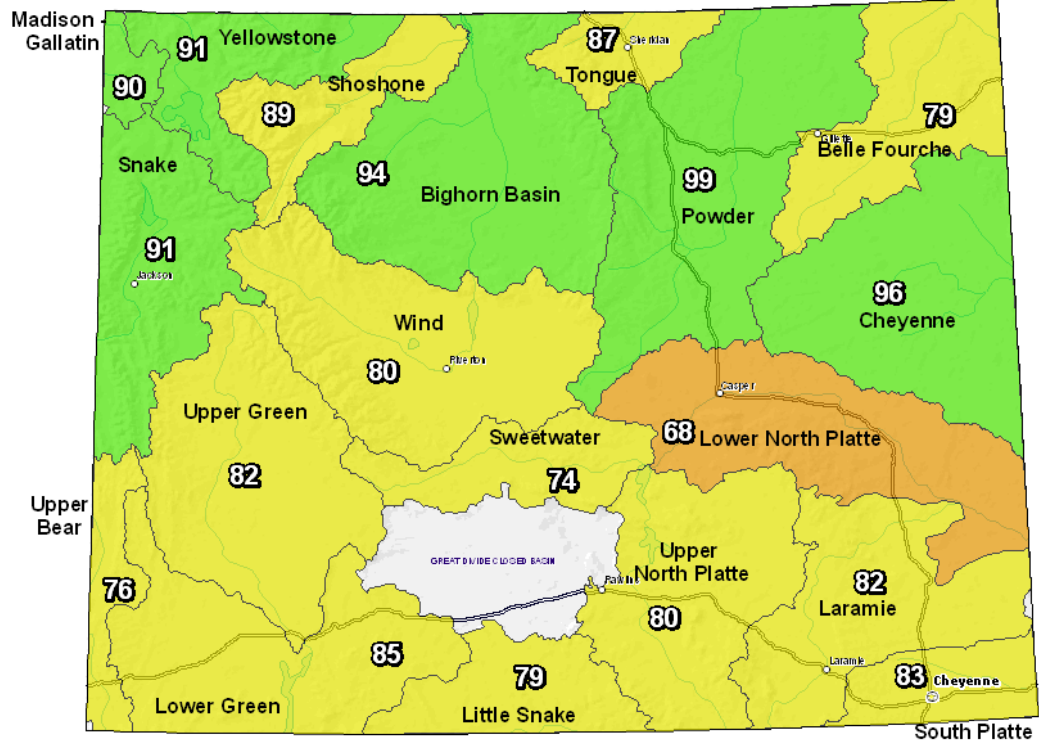
Current Snow Water Equivalent (SWE)  
Basin-wide Percent of 1981-2010 Median



Provisional Data  
Subject to Revision

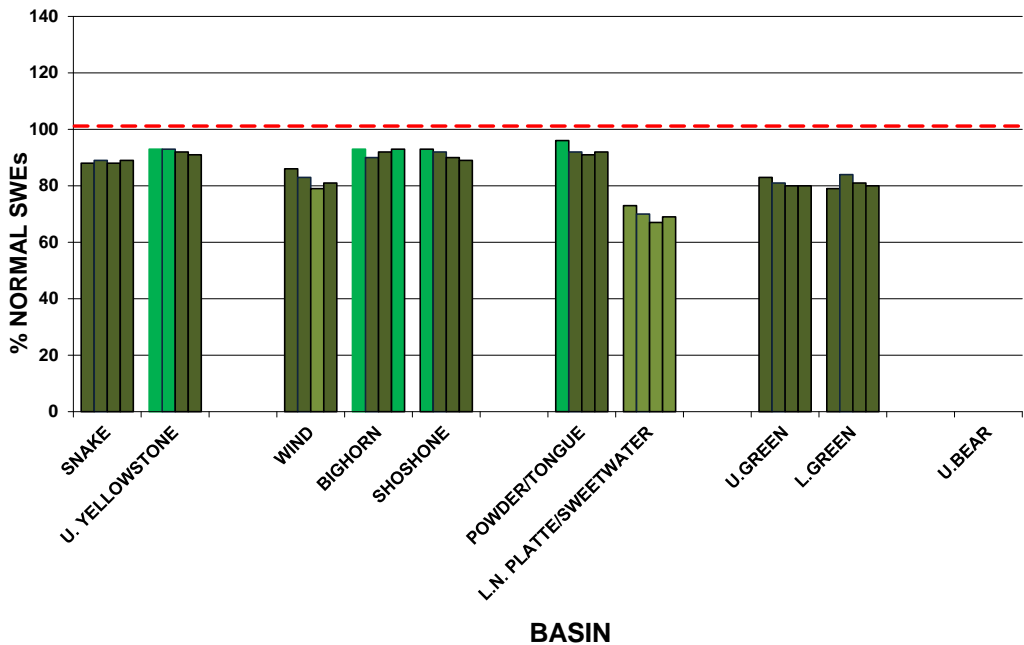


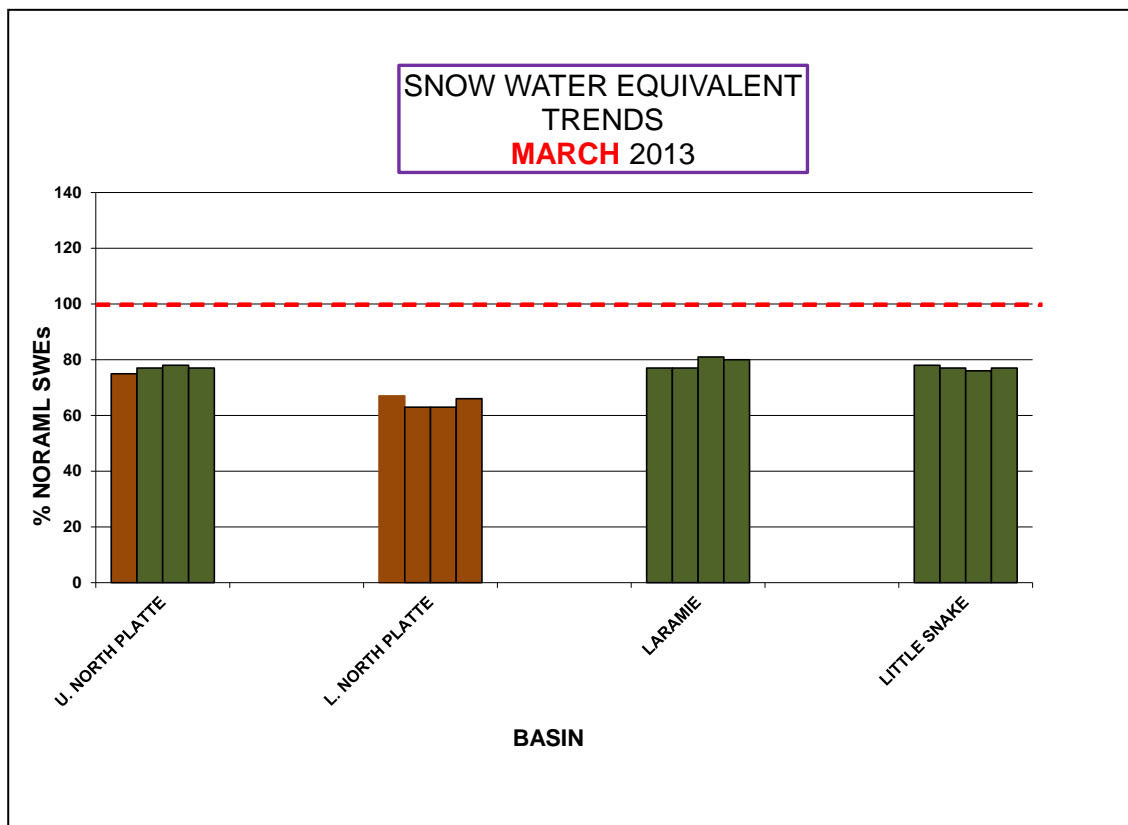
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).



Prepared by the USDA/NRCS National Water and Climate Center  
Portland, Oregon <http://www.nrcs.usda.gov/gis/>  
Based on data from <http://www.nrcs.usda.gov/reports/>  
Science contact: Jim.Marron@por.usda.gov 503 414 3047

## SNOW WATER EQUIVALENT TRENDS MARCH 2013





### **Water Supply/Spring Snowmelt Flood Outlooks:**

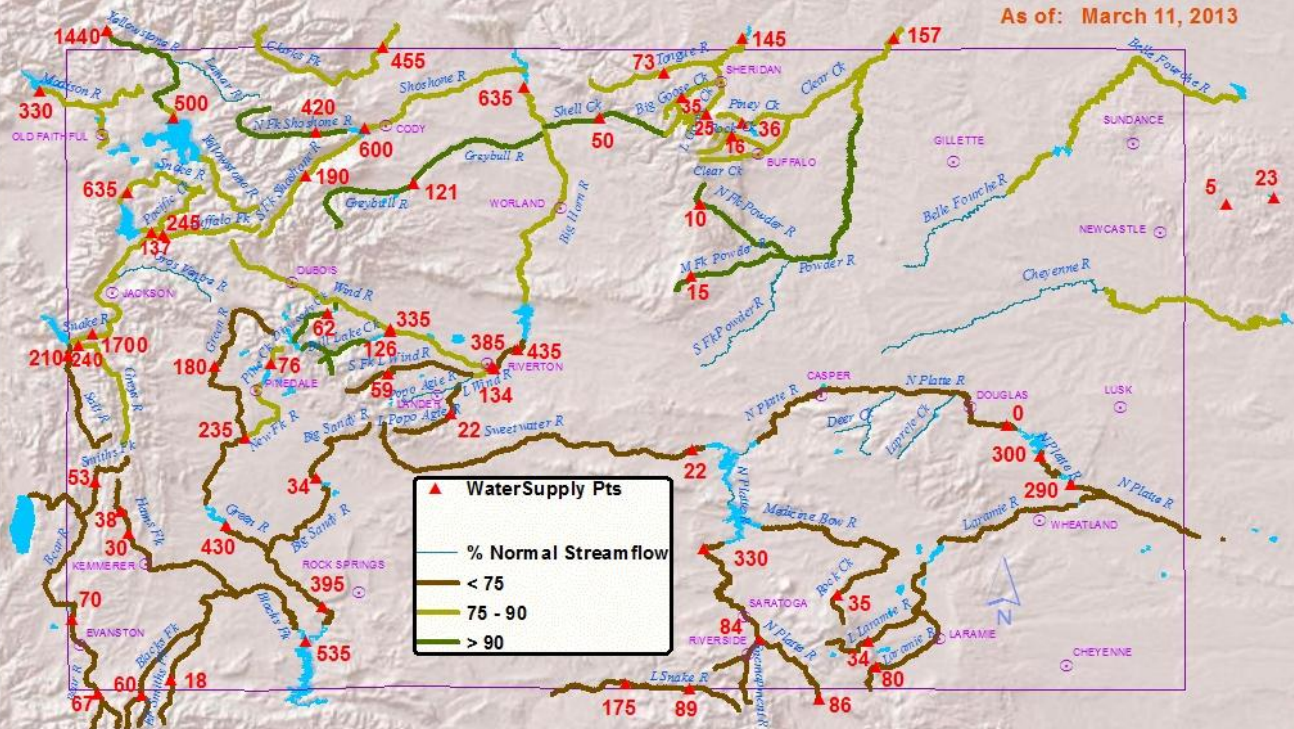
As of early March, near normal streamflow volumes continue to be expected during the upcoming spring runoff across the major basins in northwestern Wyoming. Below average streamflow volumes are again expected over central and southern Wyoming watersheds



# Wyoming Water Supply Outlook

VALID: APR -- JUL

As of: March 11, 2013



Water Supply Volume Forecasts are taken from Wyoming NRCS's Basin Outlook Report

Note: Numbers in BOLD text next to Water Supply Points Refer to Volume Forecast in Thousands of Acre-feet (K-ACFT). 1 acre-foot of water covers 1 acre of land to a depth of 1 foot.

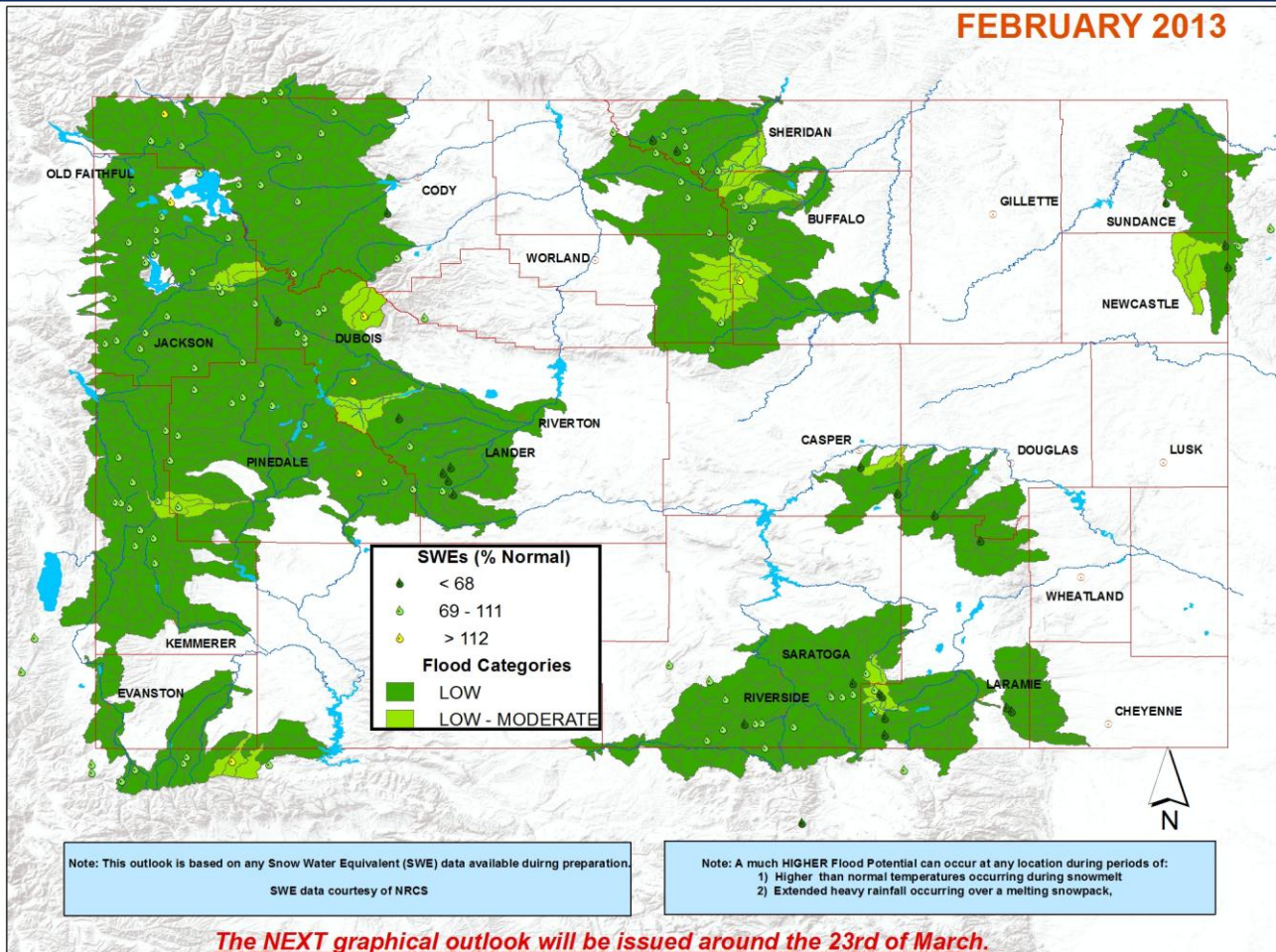
NOTE: ALL FORECAST VOLUMES REFLECT FULL NATURAL FLOW. ACTUAL OBSERVED FLOWS MAY BE AFFECTED BY UPSTREAM WATER MANAGEMENT.

Note: The NEXT graphical water supply outlook will be issued around April 15th

As of the middle of March, headwater basins across central and western Wyoming are expected to see a generally low potential for spring snowmelt flooding.

# Wyoming Spring Snowmelt Flood Potential Outlook

FEBRUARY 2013



## Drought:

**Extreme** hydrologic drought conditions continue across the Lower Green, Wind, Powder, and Big Horn River Basins during March. **Severe** hydrologic drought conditions continue over the Tongue, Upper Bear, and portions of the Upper Green Watersheds.

**Exceptional** hydrologic drought conditions continued across many basins in far eastern Wyoming in March. **Severe** hydrologic drought continued across almost all major watersheds across southeastern Wyoming.

Current drought conditions are expected to improve across northern and eastern basins through the spring.



# U.S. Drought Monitor

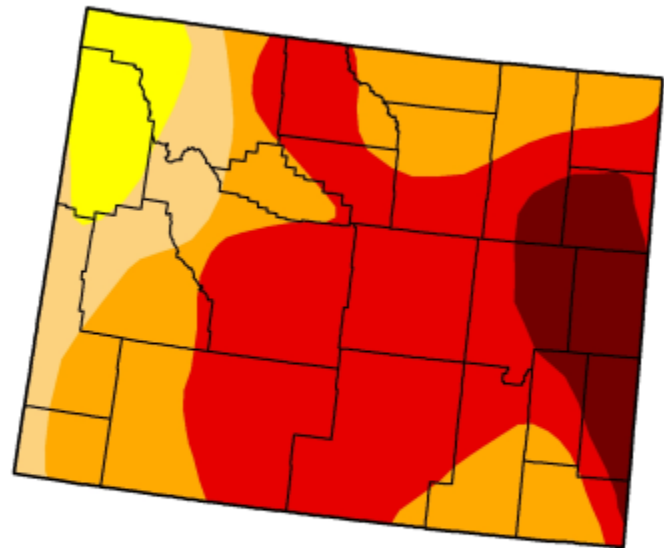
March 26, 2013

Valid 7 a.m. EST

## Wyoming

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	93.56	83.69	54.59	10.10
Last Week (03/19/2013 map)	0.00	100.00	93.52	83.65	54.70	10.10
3 Months Ago (12/25/2012 map)	0.00	100.00	96.15	86.03	64.23	10.51
Start of Calendar Year (01/01/2013 map)	0.00	100.00	96.15	86.03	64.23	10.51
Start of Water Year (09/25/2012 map)	0.00	100.00	98.01	87.30	58.34	2.72
One Year Ago (03/20/2012 map)	87.80	12.20	2.23	0.00	0.00	0.00



### Intensity:



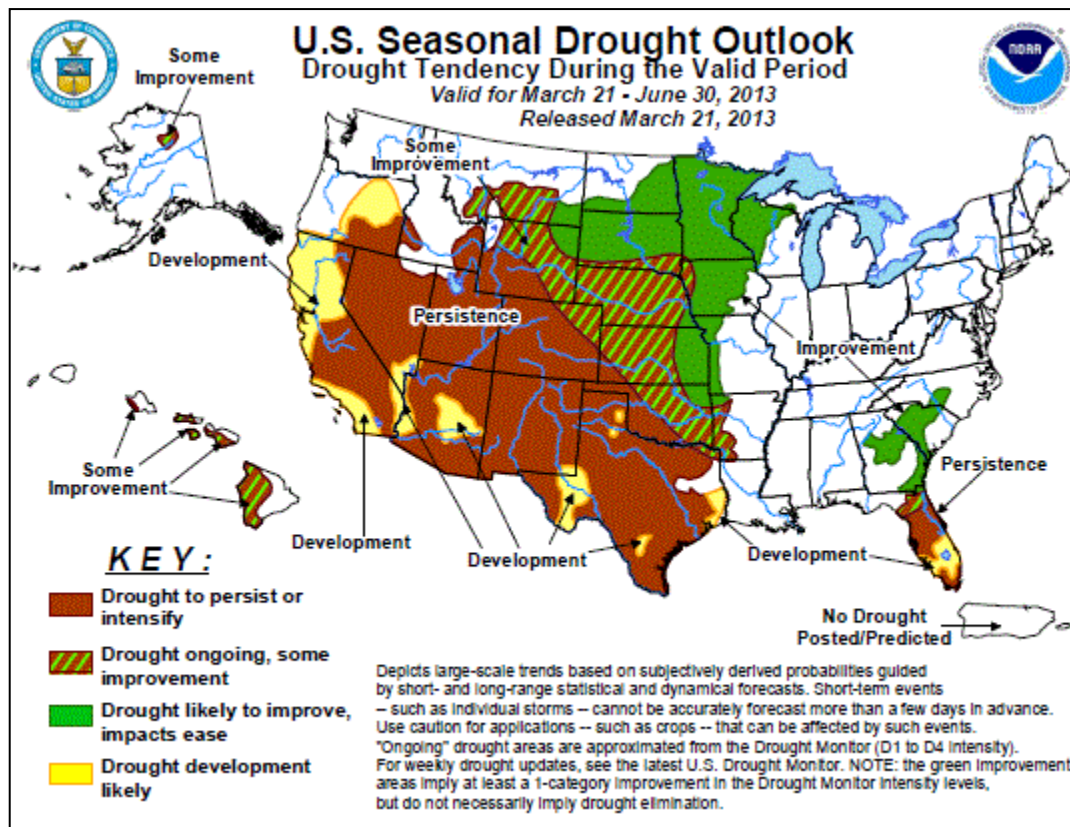
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, March 28, 2013

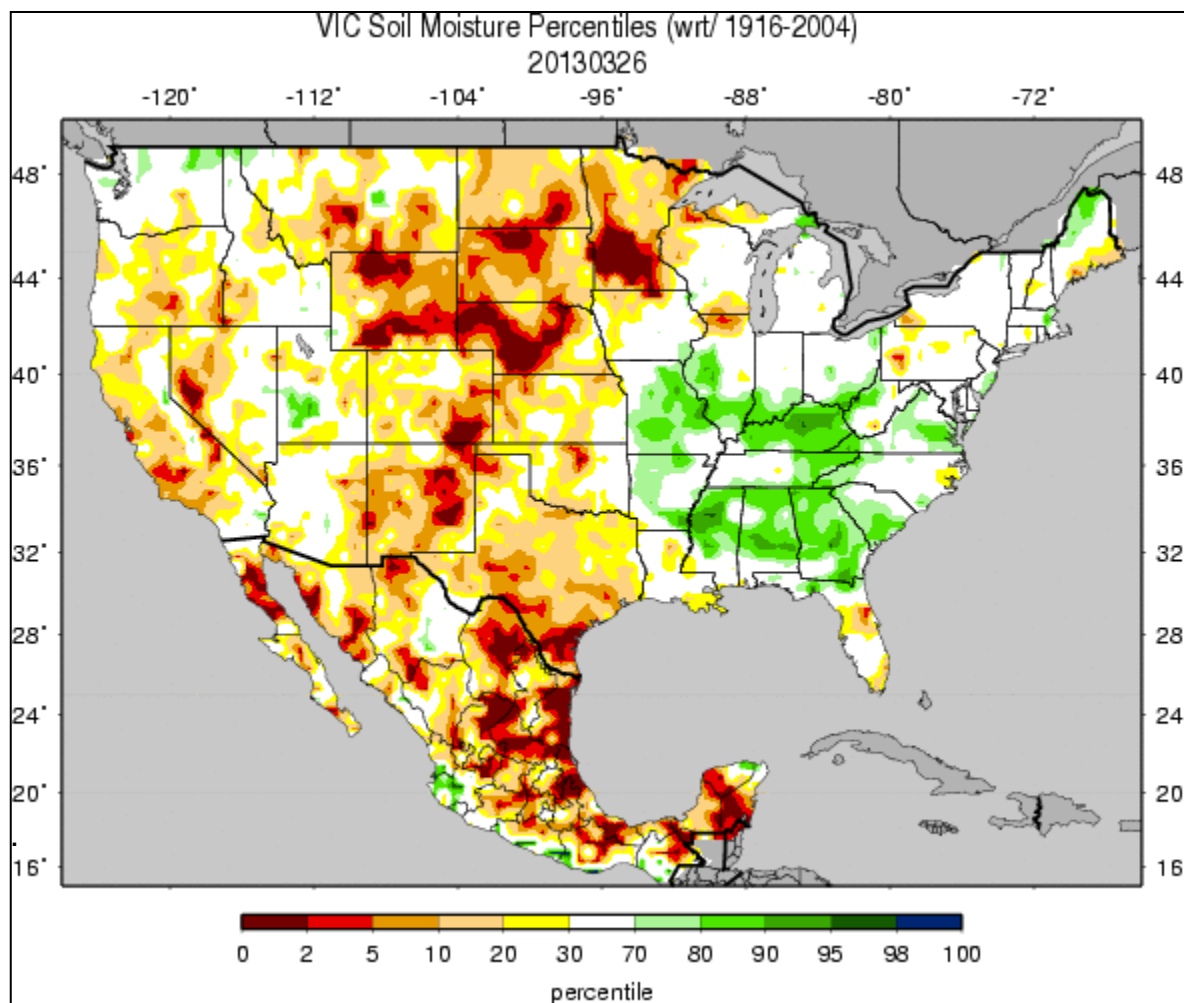
Anthony Artusa, NOAA/NWS/NCEP/Climate Prediction Center

<http://droughtmonitor.unl.edu>





**Very dry** soil moisture conditions continue throughout watersheds across Wyoming.



### **Ice Jam Flooding:**

No significant ice jams occurred along area rivers